CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

ORDER NO. 86-92
NPDES NO. CA0038709

ISSUING WASTE DISCHARGE REQUIREMENTS FOR:

CAMPEAU CORPORATION, CALIFORNIA
CENTRUM OFFICE PARK LAGOON
REDWOOD CITY, SAN MATEO COUNTY

The California Regional Water Quality Control Board, San Francisco Bay Region, (hereinafter Board) finds that:

1. Campeau Corporation, California, hereinafter discharger, the owner of the Centrum Office Park development has applied, by application dated August 15, 1986, for issuance of waste discharge requirements under the National Pollutant Discharge Elimination System.

2. Centrum Office Park is a 66 acre office and commercial development. An 11 acre lagoon is proposed to store stormwater runoff during high tide conditions and discharge it to Belmont Slough on the subsequent low tide. In this way, flooding is prevented in roads and parking lots.

3. The discharger proposes to discharge an average flow of 3.1 million gallons per day (mgd) from its lagoon to San Francisco Bay through Belmont Slough, both waters of the State, at three points:

   -- Waste 001 (Inflow/Outflow Structure Discharge) consists of approximately 0.44 mgd of lagoon water and surface drainage to the lagoon. The structure is located at the northeast corner of the site and the waste is discharged into Belmont Slough at Latitude N 37° 31' 58" and Longitude W 122° 15' 34".

   -- Waste 002 (Outflow Structure Discharge) consists of approximately 1.3 mgd of lagoon water and surface drainage. The structure is located at the southeast corner of the site and the waste is discharged into Belmont Slough at Latitude N 37° 31' 47" and Longitude W 122° 15' 32".

   -- Waste 003 (Pump Station Discharge) consists of approximately 1.3 mgd of lagoon water and surface drainage. The pump station is located at the southwest corner of the lagoon and the waste is discharged into Belmont Slough at Latitude N 31° 31' 47" and Longitude W 122° 16' 4".

4. During dry weather the discharge would consist primarily of water from Belmont Slough. During wet weather the discharge would also contain stormwater runoff from the adjacent project site. Discharge is expected to commencee by July, 1987.

5. The Board adopted a revised Water Quality Control Plan for the San Francisco Bay Region (Basin Plan) on July 21, 1982. The Basin Plan

contains water quality objectives for San Francisco Bay and contiguous waters.

6. The beneficial uses of San Francisco Bay and contiguous water bodies are:

   - o Contact and Non-contact Water Recreation
   - o Wildlife Habitat
   - o Preservation of Rare and Endangered Species
   - o Fish Migration and Spawning
   - o Industrial Service Supply
   - o Navigation
   - o Commercial and Sport Fishing
   - o Shellfish Harvesting
   - o Esthetic Enjoyment

7. The beneficial uses of Centrum Office Park Lagoon are:

   - o Fish Habitat
   - o Habitat and Resting for Waterfowl and Migratory Birds
   - o Esthetic Enjoyment

8. The Lagoon water has limited and controlled exchange with San Francisco Bay, and is therefore susceptible to unusually dense biological growth and resulting nuisance conditions. Its release into the Bay is a discharge of pollutants as defined in Section 502 of the Clean Water Act.

9. An acceptable Interim Lagoon Management Plan has been submitted and shall be maintained by the discharger for purposes of providing Lagoon and regulatory personnel with a source of information describing all equipment, facilities, and recommended operating strategies, process control monitoring, and maintenance activities necessary to assure consistent compliance and/or minimize non-compliance. Review of and improvement upon the operating strategies given in the Interim Plan will be necessary to optimize lagoon performance.

10. The discharger reports in the Interim Lagoon Managaement Plan that biocides will not be used in the Lagoon.

11. The City of Redwood city has certified a final environmental impact report in accordance with the California Environmental Quality Act (Public Resources Code Section 21000 et seq.). The project as approved by the City of Redwood City could be subject to nuisance growths of aquatic plants in the lagoon. Provisions contained in this Order mitigate or avoid the adverse environmental impacts of the project on the water quality.

12. This Order serves as an NPDES Permit, issuance of which is exempt from the provisions of Chapter 3 (commencing with Section 21100) of Division 13 of the Public Resources Code (CEQA) pursuant to Section 13389 of the California Water Code.

13. The discharger and interested agencies and persons have been notified of the Board's intent to issue requirements for the proposed discharges and have been provided with the opportunity for a public hearing and the opportunity to submit their written views and recommendations.

14. The Board, in a public meeting, heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED that the discharger, in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder and the provisions of the Clean Water Act as amended and regulations and guidelines adopted thereunder, shall comply with the following:

A. Discharge Prohibitions:

1. The discharge of any sewage or industrial waste to the Centrum Office Park Lagoon is prohibited. The prohibition does not apply to normal urban stormwater runoff.

2. The application of biocides is prohibited unless it has been demonstrated to the satisfaction of the Regional Board that a net environmental benefit results from their application. Should the use of biocides become necessary during development of the Final Lagoon Management Plan, written approval for use of biocides must be first obtained from the Executive Officer of the Regional Board.

3. The collection, containment and/or discharge of Lagoon water shall not cause nuisance or pollution as defined in the California Water Code.

B. Lagoon Water Limitations

1. The discharger shall maintain the following limits of water quality in the Lagoon:

   a. Chlorophyll 'a' - less than 50 ug/L increase above the Belmont Slough water concentration;

   b. Dissolved oxygen within one foot of the Lagoon's surface - 5.0 mg/L, minimum;

   c. The moving median value for the most probable number (MPN) of total coliform in any five (5) consecutive effluent samples shall not exceed 240 coliform organisms per 100 milliliters. Any single sample shall not exceed 1000 MPN/100 mL.

2. The following conditions at any point in the Lagoon are prohibited:

   a. Floating, suspended, or deposited macroscopic particulate matter, or foam;

   b. Significant increase in apparent color beyond natural background levels in Belmont Slough;

   c. Aquatic growths in quantities sufficient to create a nuisance condition as defined in the California Water Code;

   d. Visible, floating, suspended, or deposited oil or other

products of petroleum origin;

e. Toxic or other deleterious substances to be present in concentrations or quantities which will cause deleterious effects on aquatic biota, wildlife, or waterfowl, or which render any of these unfit for human consumption either at levels created in the receiving waters or as a result of biological concentration.

C. Receiving Water Limitations: (Belmont Slough)

1. The discharge of waste shall not cause the following conditions to exist in waters of the State at any place:

a. Floating, suspended, or deposited macroscopic particulate matter, or foam;

b. Significant increase in apparent color or alteration of temperature or turbidity beyond present natural background levels in San Francisco Bay;

c. Aquatic growths in quantities sufficient to create a nuisance condition as defined in the California Water Code;

d. Visible, floating, suspended, or deposited oil or other products of petroleum origin;

e. Toxic or other deleterious substances to be present in concentrations or quantities which will cause deleterious effects on aquatic biota, wildlife, or waterfowl, or which render any of these unfit for human consumption either at levels created in the receiving waters or as a result of biological concentration.

2. The discharge shall not cause a violation of any applicable water quality standard for receiving waters adopted by the Board or the State Water Resources Control Board as required by the Clean Water Act and regulations adopted thereunder. If more stringent applicable water quality standards are promulgated or approved pursuant to Section 303 of the Clean Water Act, or amendments thereto, the Board will revise and modify this Order in accordance with such more stringent standards.

D. Provisions:

1. The discharger shall operate, control and maintain the Lagoon in accord with the requirements of this Order and with the requirements, first, of the Interim Lagoon Management Plan and then, when approved by the Regional Board Executive Officer, with the Requirements of the Final Lagoon Management Plan.

2. The discharger shall comply with all sections of this Order immediately upon adoption except as stipulated in Provision D.3. below.

3. The discharger shall comply with Provision D.1. in accordance with the following schedule:

Task	Date
Submit a draft Final Lagoon Management Plan to the Regional Board Executive Officer by	August 1, 1988
Submit a Final Lagoon Managment Plan which is acceptable to the Regional Board Executive Officer by	October 1, 1988

The discharger shall submit to the Board, on or before each compliance report date, a report detailing its compliance or noncompliance with the specific schedule date and task. If noncompliance is being reported, the reasons for such noncompliance shall be stated, the efforts taken to meet compliance, plus an estimate of the date when the discharger will be in compliance. The discharger shall notify the Board by letter when he has returned to compliance with the time schedule.

4. The discharger shall review and update its Final Lagoon Management Plan annually, or in the event of significant facility or process changes, within three months after such changes have occurred. Annual revisions, or letters stating that no changes are needed shall be submitted to the Regional Board by April 15 of each year beginning in 1990.

5. The discharger shall comply with the attached self-monitoring program as adopted by the Board and as may be amended by the Executive Officer.

6. The discharger shall comply with all items of the attached "Standard Provisions, Reporting Requirements and Definitions" dated April 1977 with the exception of Provisions A.5 and B.3.

7. This Order expires December 17, 1991. The discharger must file a report of waste discharge in accordance with Title 23, Chapter 3, Subchapter 9 of the California Administrative Code not later than 180 days in advance of such expiration date as application for issuance of new waste discharge requirements.

8. This Order shall serve as a National Pollutant Discharge Elimination System Permit pursuant to Section 402 of the Clean Water Act or amendments thereto, and shall become effective 10 days after date of its adoption provided the Regional Administrator, Environmental Protection Agency, has no objection. If the Regional Administrator objects to its issuance, the permit shall not become effective until such objection is withdrawn.

I, Roger B. James, Executive Officer, do hereby certify the foregoing is a full, true and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region on December 17, 1986.

ROGER B. JAMES
Executive Officer

Attachments:

Standard Provisions and Reproting Requirements, April 1977
Self-Monitoring Program
Interim Lagoon Management Plan

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

TENTATIVE
SELF-MONITORING PROGRAM
FOR

CAMPEAU CORPORATION, CALIFORNIA

CENTRUM OFFICE PARK LAGOON

REDWOOD CITY, SAN MATEO COUNTY

NPDES NO. CA0038709

ORDER NO. 86-92

CONSISTS OF

PART A (Dated 1/78)

AND

PART B

PART B

I. DESCRIPTION OF SAMPLING STATIONS

A. INTAKE

Station	Description
I-1	At a point in Belmont Slough immediately adjacent to the inflow structure, as indicated on the attached map. Sample shall be taken during periods of incoming tide.

B. LAGOON WATER

Station	Description
CP01	At a point in the small lagoon, as indicated on the attached map.
CP02	At a point in the lagoon North Bay 20 feet from shoreline, as indicated on the attached map.
CP03	At a point in the lagoon center, as indicated on the attached map.
CP04	At a point in the lagoon East Bay 20 feet from shoreline, as indicated on the attached map.
CP05	At a point in the lagoon West Bay 20 feet from shoreline, as indicated on the attached map.

C. RECEIVING WATER

Station	Description
BS01	At a point in Belmont Slough downstream of Waste 001 in the vicinity of "BS01" shown on the attached map.
BS02	At a point in Belmont Slough downstream of Waste 002 in the vicinity of "BS02" shown on the attached map.
BS03	At a point in Belmont Slough downstream of Waste 003 in the vicinity of "BS03" shown on the attached map.

Receiving water sample shall be taken during periods of outgoing tide.

II. SCHEDULE OF SAMPLING, MEASUREMENT, AND ANALYSIS

A. The schedule of sampling and analysis shall be that given as Table I.

III. MODIFICATION OF PART "A" DATED JANUARY 1978

A. Does not include the following paragraphs of Part A:
C.1, C.3, C.4, C.5.d, C.5.e, D.1, D.2.a, D.3.a, D.4, E, F.3.g.

B. 1. Includes the following modification of paragraph F.3.e: Effluent data summary will be sent to the Regional Board only.

2. Self-monitoring reports shall be submitted quarterly, after discharge commences.

I, Roger B. James, Executive Officer, hereby certify that the foregoing Self-Monitoring Program:

1. Has been developed in accordance with the procedure set forth in this Regional Board's Resolution 73-16 in order to obtain data and document compliance with waste discharge requirements established in Regional Board Order No. 86-92.

2. Is effective on the date indicated below.

3. May be reviewed at any time subsequent to the effective date upon written notice from the Executive Officer or request from the discharger and revisions will be ordered by the Executive Officer.

Roger B. James
Executive Officer

Effective Date: January 5, 1987

Attachments
Table I
Map of Sampling Station Locations

TABLE I

SCHEDULE FOR SAMPLING, MEASUREMENTS, AND ANALYSIS									
SAMPLING STATION	I-1	CP01	CP02	CP03	CP04	CP05	BS01	BS02	BS03
TYPE OF SAMPLE	G	G	G	G	G	G	G	G	G
Flow Rate, mgd(3)		D			D	D			
Oil & Grease (mg/l)		M	M	M	M	M			
Total Coliform (MPN/100ml)		M	M	M	M	M			
Turbidity (Jackson Turbidity Unit)	2W/M	2W/M	2W/M	2W/M	2W/M	2W/M	2W/M	2W/M	2W/M
pH (units)	2W/M	2W/M	2W/M	2W/M	2W/M	2W/M	2W/M	2W/M	2W/M
Dissolved Oxygen (mg/l)	2W/M	2W/M	2W/M	2W/M	2W/M	2W/M	2W/M	2W/M	2W/M
Temperature	2W/M	2W/M	2W/M	2W/M	2W/M	2W/M	2W/M	2W/M	2W/M
Chlorophyll 'a' (ug/l)	2W/M	2W/M	2W/M	2W/M	2W/M	2W/M	2W/M	2W/M	2W/M
All Applicable Standard Observations		M	M	M	M	M	M	M	M

LEGEND FOR TABLE

TYPE OF SAMPLE

G = Grab Sample

FREQUENCY OF SAMPLING

D = Once Daily
2W/M = Once every two weeks during May through September, once each month during October through April

M = Monthly

FOOTNOTES:

1. Samples of intake water and receiving water shall be collected on days coincident with sampling of lagoon water.
2. Lagoon water standard observations shall be the same as those described for receiving waters in Part A, Paragraph C.5.a.
3. Flow shall be estimated at Inflow/Outflow Structure (CP01) and Outflow Structure (CP04) and measured by the pump discharge rate times the hours operated at the Pump Station (CP05).